L Number	Hits	Search Text	DB	Time stamp
1	0	(preview$ NEAR3 music) SAME inventory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/12/14 18:04
2	0	(preview$ NEAR3 (album$1 or CD)) SAME inventory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/12/14 18:08
3	6	kiosk$1 SAME inventory SAME music	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/12/14 18:18
4	1	("9617467").PN.	DERWENT	2001/12/14 18:19
5	1	("9617467").PN.	DERWENT	2001/12/14 18:19
6	26	SALGANICOFF-M$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2001/12/14 18:31
7	1098	(("705/1") or ("705/14")).CCLS.	USPAT; US-PGPUB	2001/12/14 18:36
8	840	(("705/1") or ("705/14")).CCLS.	USPAT	2001/12/14 18:37

reviewed all

class search

Search History   12/14/01 6:38:09 PM   Page 1

c:\apps\east\bin\default.wsp

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	13	music NEAR2 preview$	USPAT	2000/08/02 18:08

Your SELECT statement is:
    s (preview? (3n) (music or product or products or merchandise)) and
inventory and py<=1997

```
          Items    File
          -----    ----
              7       9: Business & Industry(R)_Jul/1994-2001/Dec 13
              1      13: BAMP_2001/Dec W2
             21      15: ABI/Inform(R)_1971-2001/Dec 14
             44      16: Gale Group PROMT(R)_1990-2001/Dec 13
             11      47: Gale Group Magazine DB(TM)_1959-2001/Dec 13
      Examined  50 files
              5      75: TGG Management Contents(R)_86-2001/Dec W1
              4      88: Gale Group Business A.R.T.S._1976-2001/Dec 14
              3      99: Wilson Appl. Sci & Tech Abs_1983-2001/Sep
              1     119: Textile Technol.Dig._1978-2001/Dec
      Examined 100 files
              1     141: Readers Guide_1983-2001/Sep
Processing
            105     148: Gale Group Trade & Industry DB_1976-2001/Dec 13
              2     180: Federal Register_1985-2001/Dec 13
      Examined 150 files
              1     249: PIRA Mgt. & Mktg. Abs._1976-2001Jan W4
              1     256: SoftBase:Reviews,Companies&Prods._85-2001/Nov
              1     262: CBCA Fulltext_1982-2001/Nov
      Examined 200 files
             23     275: Gale Group Computer DB(TM)_1983-2001/Dec 12
              3     348: EUROPEAN PATENTS_1978-2001/NOV W04
              5     349: PCT FULLTEXT_1983-2001/UB=20011213,UT=20011206
      Examined 250 files
              1     410: Chronolog(R)_1981-2001/Nov
      Examined 300 files
              4     484: Periodical Abs Plustext_1986-2001/Dec W2
              2     485: Accounting & Tax DB_1971-2001/Dec W2
              2     492: Arizona Repub/Phoenix Gaz_19862001/Dec 09
              2     497: (Ft.Lauderdale)Sun-Sentinel_1988-2001/Dec 14
      Examined 350 files
             60     545: Investext(R)_1982-2001/Dec 14
              3     553: Wilson Bus. Abs. FullText_1982-2001/Sep
              9     570: Gale Group MARS(R)_1984-2001/Dec 13
      Examined 400 files
              1     608: KR/T Bus.News._1992-2001/Dec 14
             12     621: Gale Group New Prod.Annou.(R)_1985-2001/Dec 13
              1     630: Los Angeles Times_1993-2001/Dec 13
             12     635: Business Dateline(R)_1985-2001/Dec 14
             11     636: Gale Group Newsletter DB(TM)_1987-2001/Dec 13
      Examined 450 files
              1     644: (Boulder)  Daily Camera_1995-2001/Dec 13
             12     647: CMP  Computer Fulltext_1988-2001/Dec W2
             15     649: Gale Group Newswire ASAP(TM)_2001/Dec 14
              4     654: US PAT.FULL._1990-2001/Dec 11
              1     674: Computer News Fulltext_1989-2001/Dec W1
              1     702: Miami Herald_1983-2001/Dec 13
              2     713: Atlanta J/Const._1989-2001/Dec 13
              1     718: Pittsburgh Post-Gazette_Jun 1990-2001/Dec 14
              2     719: (Albany) The Times Union_Mar 1986-2001/Dec 12
      Examined 500 files
              2     722: Cincinnati/Kentucky Post_1990-2001/Dec 13
              5     727: Canadian Newspapers_1990-2001/Dec 14
              1     728: Asia/Pac News_1994-2001/Dec W2
```

```
    2    73██ The Buffalo News_1990- 2001/De██11
    1   ·7█    St. Petersburg Times_1989- 200██ov 01
    1    737: Anchorage Daily News_1989-2001/Nov 30
    1    738: (Allentown) The Morning Call_1990-2001/Dec 12
    3    743: (New Jersey)The Record_1989-2001/Dec 13
    5    766: (R)Kalorama Info Market Res._1993-2000/Aug
Examined 550 files
    1    790: Tax Notes Today_1986-2001/Dec 13
   17    810: Business Wire_1986-1999/Feb 28
   15    813: PR Newswire_1987-1999/Apr 30

52 files have one or more items; file list includes 572 files.
```

```
Set      Items    Description
S1        452     (PREVIEW? (3N) (MUSIC OR PRODUCT OR PRODUCTS OR MERCHANDIS-
                  E)) AND INVENTORY AND PY<=1997
S2        329     RD (unique items)
S3        104     S2 AND (KIOSK OR KIOSKS OR TERMINAL OR TERMINALS OR BOOTH -
                  OR BOOTHS)
S4         20     S3 AND ((STORE OR STORES OR RETAILER OR RETAILERS OR MALL -
                  OR MALLS OR SHOP OR SHOPS)(3N)INVENTORY)
File    9:Business & Industry(R) Jul/1994-2001/Dec 13
          (c) 2001 Resp. DB Svcs.
File   13:BAMP 2001/Dec W2
          (c) 2001 Resp. DB Svcs.
File   15:ABI/Inform(R) 1971-2001/Dec 14
          (c) 2001 ProQuest Info&Learning
File   16:Gale Group PROMT(R) 1990-2001/Dec 13
          (c) 2001 The Gale Group
File   47:Gale Group Magazine DB(TM) 1959-2001/Dec 13
          (c) 2001 The Gale group
File   75:TGG Management Contents(R) 86-2001/Dec W1
          (c) 2001 The Gale Group
File   88:Gale Group Business A.R.T.S. 1976-2001/Dec 14
          (c) 2001 The Gale Group
File   99:Wilson Appl. Sci & Tech Abs 1983-2001/Sep
          (c) 2001 The HW Wilson Co.
File  119:Textile Technol.Dig. 1978-2001/Dec
          (c) 2001 Inst.of Textile Technology
File  141:Readers Guide 1983-2001/Sep
          (c) 2001 The HW Wilson Co
File  148:Gale Group Trade & Industry DB 1976-2001/Dec 13
          (c)2001 The Gale Group
File  180:Federal Register 1985-2001/Dec 13
          (c) 2001 format only The DIALOG Corp
File  249:PIRA Mgt. & Mktg. Abs. 1976-2001Jan W4
          (c) 2001 Pira International
File  256:SoftBase:Reviews,Companies&Prods. 85-2001/Nov
          (c)2001 Info.Sources Inc
File  262:CBCA Fulltext 1982-2001/Nov
          (c) 2001 Micromedia Ltd.
File  275:Gale Group Computer DB(TM) 1983-2001/Dec 12
          (c) 2001 The Gale Group
File  348:EUROPEAN PATENTS 1978-2001/NOV W04
          (c) 2001 European Patent Office
File  349:PCT FULLTEXT 1983-2001/UB=20011213,UT=20011206
          (c) 2001 WIPO/Univentio
File  410:Chronolog(R) 1981-2001/Nov
          (c) 2001 The Dialog Corporation
File  484:Periodical Abs Plustext 1986-2001/Dec W2
          (c) 2001 ProQuest
File  485:Accounting & Tax DB 1971-2001/Dec W2
          (c) 2001 ProQuest Info&Learning
File  492:Arizona Repub/Phoenix Gaz 19862001/Dec 09
          (c) 2001 Phoenix Newspapers
File  497:(Ft.Lauderdale)Sun-Sentinel 1988-2001/Dec 14
          (c) 2001 Sun-Sentinel Co
File  545:Investext(R) 1982-2001/Dec 14
          (c) 2001 Thomson Financial Networks
File  553:Wilson Bus. Abs. FullText 1982-2001/Sep
          (c) 2001 The HW Wilson Co
File  570:Gale Group MARS(R) 1984-2001/Dec 13
          (c) 2001 The Gale Group
```

reviewed all

SMD

```
File 608:KR/T Bus.New  1992-2001/Dec 14
         (c)2001 Kni   Ridder/Tribune Bus News
File 621:Gale Group New Prod.Annou.(R) 1985-2001/Dec 13
         (c) 2001 The Gale Group
File 630:Los Angeles Times 1993-2001/Dec 13
         (c) 2001 Los Angeles Times
File 635:Business Dateline(R) 1985-2001/Dec 14
         (c) 2001 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2001/Dec 13
         (c) 2001 The Gale Group
File 644:(Boulder)  Daily Camera 1995-2001/Dec 13
         (c) 2001 The Daily Camera
File 647:CMP  Computer Fulltext 1988-2001/Dec W2
         (c) 2001 CMP Media, LLC
File 649:Gale Group Newswire ASAP(TM) 2001/Dec 14
         (c) 2001 The Gale Group
File 654:US PAT.FULL. 1990-2001/Dec 11
         (c) format only 2001 The Dialog Corp.
File 674:Computer News Fulltext 1989-2001/Dec W1
         (c) 2001 IDG Communications
File 702:Miami Herald 1983-2001/Dec 13
         (c) 2001 The Miami Herald Publishing Co.
File 713:Atlanta J/Const. 1989-2001/Dec 13
         (c) 2001 Atlanta Newspapers
File 718:Pittsburgh Post-Gazette Jun 1990-2001/Dec 14
         (c) 2001 PG Publishing
File 719:(Albany) The Times Union Mar 1986-2001/Dec 12
         (c) 2001 Times Union
File 722:Cincinnati/Kentucky Post 1990-2001/Dec 13
         (c) 2001 The Cincinnati Post
File 727:Canadian Newspapers 1990-2001/Dec 14
         (c) 2001 Southam Inc.
File 728:Asia/Pac News 1994-2001/Dec W2
         (c) 2001 Dialog Corporation
File 733:The Buffalo News 1990- 2001/Dec 11
         (c) 2001 Buffalo News
File 735:St. Petersburg Times 1989- 2000/Nov 01
         (c) 2000 St. Petersburg Times
File 737:Anchorage Daily News 1989-2001/Nov 30
         (c) 2001 Anchorage Daily News
File 738:(Allentown) The Morning Call 1990-2001/Dec 12
         (c) 2001 Morning Call
File 743:(New Jersey)The Record 1989-2001/Dec 13
         (c) 2001 Record (The)
File 766:(R)Kalorama Info Market Res. 1993-2000/Aug
         (c) 2000 Kalorama Info Inc
File 790:Tax Notes Today 1986-2001/Dec 13
         (c) 2001 Tax Analysts
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Ne
```

Standards seek to counter **kiosks'** customer problem

...ABSTRACT: has recently formed to address one of the key potential
obstacles to expanded use of **kiosks** - the lack of common
technological standards, in particular, the often confusing variety of
faces they...

... Standards group will address both back-end communications and front-end
consumer interface standards for **kiosks**. It will also discuss such
issues as the proliferation of manufacturer **kiosks** with different
graphical user interfaces and the trend toward taking order in-store and
shipping...

... a time when a number of retailers have already begun to achieve good
results with **kiosk** implementation.
TEXT: Even as electronic **kiosks** have attracted intensive attention as
one of the waves of the future for store-based...

... recently formed, however, to ddress one of the key potential obstacles
to expanded use of **kiosks** -- the lack of common technological
standards, in particular, the often confusing variety of faces they...

... VICS) group will address both back-end communications and front-end
consumer interace standards for **kiosks** . It will also iscuss such
issues as the proliferation manufacturer **kiosks** with different
raphical user interfaces and the trend oward taking orders in-store and
shiping...

... md chief information officer of Sears erchandise Croup, who himself
acknowledged not long ago that **kiosks** in the past have been little
more than expensive toys."

"There is a lot to...

... a time when a number of retailers have already begun to achieve good
results with **kiosk** implementation.
About four years ago, for example, Reading, Pa.-based Boscov's installed
Florsheim Express interactive **kiosks** in the men's footwear
departments at two of its 29 stores. By pushing a...

...displays all available options.

Once the customer has made a selection, a printer in the **kiosk**
generated an order fonn that patrons take to the cash register. Orders are
transmitted to...

... senior vice president-stores and a member of the Direct to Consumer
committee, describes the **kiosks** as "excellent all-around tools."
Besides significantly reducing in-**store inventory**, he says, the

units have expanded Boscov's customer base by enabling to offer...

"...patrons will soon be able to complete the entire men's shoe transaction at the **kiosk**," he adds. "This should increase the appeal even more by letting us provide a higher level of customer convenience."

Boscov's also has American Greetings "CreataCard" **kiosks** in 20 of its stores, which generate greeting cards with personalized messages, and **kiosk**-style listening **booths** in about 20 stores where customers can **preview music**. Bridal registry **kiosks** will be introduced shortly.

"We have never had a problem getting customers to try out the **kiosks**; they look at them as a quicker way to get what they want and as...

"...achievements, we do anticipate greater interest in our cards and audio products because of the **kiosks**. Customers appear to be making bigger purchases and, in many cases, adding on impulse items based on what they've learned from or seen in the **kiosks**."

Best Buy, too, has benefited from **kiosk** implementation. The Minnetonka, Minn.-based consumer electronics discounter has installed "Answer Center" **kiosks** in more than two dozen Concept III stores. Through Digital Equipment's AlphaServer processors and...

"...Some 1,200 30-second video clips explaining electronics topics can be seen at the **kiosks**, which also offer printed information and still photographs.

"Through the **kiosks**, we have attained many goals, among them customer service improvement, disuibution of accurate information that...
...creation of an exciting shopping atmosphere," says Clark Becker, director of systems and programming.

The **kiosks** also provide "increased sales stemming from a more pleasurable shopping experience," enhanced customer confidence and more comprehensive sales data, Becker reveals.

Another proponent of **kiosks** is Lowe's Home Centers, headquartered in Wilkesboro, N.C., which not long ago introduced CD-based multimedia display **kiosks** , geared to safety issues at 250 Home Improvement Ware house locations. More than 350,000...

...first month of operations.

Designed and manufactured by Design Master, High Point, N.C., the **kiosks** have proven to be "a logical choice to provide home safety centers that would engage...

...us know that the are interested."

Still, a negative undercurrent remains about the use of **kiosks** by retailers. Some merchants report, lack of success with the units, primarily because customers seem...

"... to use them. Hallmark's recent removal of its "Touch-Screen Greetings" personalized greeting card **kiosks** from an estimated 10,000 mass merchandise outlets, drug stores, supermarkets, company stores, airports and...

...the problem.

"Our experience at Sears, and my experience in other outlets, is that the **kiosk** has been an expensive toy that hasn't been very effective in producing sales," Smialowski...

...fall.

The tide should turn in the future "with the general population beginning to [use **kiosks**] as a means to order and have merchandise shipped to their homes," Smialowski went on...

...change will occur only if standard such as those being developed by VICS -- defining how **kiosks** are presented to patrons so that they become comfortable with them -- are applies industrywide.
The **kiosks** of different types and configurations touting merchandise in various categories. "What type of message are...

... he asked. "We need to start driving for some consistency in the way we present **kiosks**."

Gary Finerty, manager of retail, wholesale industry management fot Digital, echoes Smialowski's comments, adding that standards will help **kiosks** gain acceptance if they are not "so restrictive as to interfere with potential interfaces between the products and other types of retail technolgy."

Retailers that recognize that **kiosks** aren't a panacea for all sales and producfvity ills stand the best chance of benefiting from implementation, Finerty maintains. "For the most part, operations that have fared poorly with **kiosks** did not adapt them to fit their particular needs," he asserts. "Instead, they said, '**Kiosks** can do X. We do X, so we'll get them.'

"For example, if you're selling complex merchandise, even the best **kiosk** won't completely substitute for highly trained salespeople. It is a good complement. So the **kiosk** must be adjusted to offer some of the information," he says, adding that expecting it to do otherwise is a setup for disaster.

Retailers' "lingering trepidations" about **kiosks** are justified given the fact that early incarnations were priced as high as $20,000...

... in Multimedia Systems, a Portland, Ore., firm that was one of the pioneers in interactive **kiosks**.

"Over the past year or so, however, things have changed significantly," he observes. Multimedia computers...

... CD technology and customer-friendly touchscreen interfaces for between $3,000 and $7,000 per **kiosk**.

"Of course, retailers still need to cost-justify investments in **kiosks**, which in the past was a tough proposition," Doyell concludes. "But with these new developments, doing so is easier. **Kiosks** are not only capable of distributing information and making sales in an exciting manner; they...

...DESCRIPTORS: **Kiosks**;

4/3,K/2   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2001 ProQuest Info&Learning. All rts. reserv.

01044524   96-93917
Scan what's new at ID Expo
Anonymous
Transportation & Distribution v36n5 PP: 104-110 May 1995
ISSN: 0895-8548 JRNL CODE: HLS
WORD COUNT: 1987

ABSTRACT: A **preview** ● **products** to be exhibited at I●xpo on May 16, 1995, in Chic● is presented.

...TEXT: 300 exhibitors will be on hand to answer your questions about applying this technology.

The **product preview** on these pages is a sample of what you'll see in Chicago. Use it to plan your **booth** visits. For more information on any of these products, circle the appropriate numbers on the ...

... format labels while printing--leading to faster throughput, even with complex label formats. Intermec Corp. **Booth** 488. Circle 175

Scanning demos
See a demonstration of a family of laser scanners that can decode bar codes to distances of 35 ft. You'll also see portable data **terminals** for on-the-move data collection in any environment. And ask about Spectrum One, a radio frequency data communications network. Symbol Technologies. **Booth** 701. Circle 177

"All-in-one" RF **terminal**

The 2315 "all-in-one" RF **terminal** has interchangeable frequency hopping and narrowband radio modules. To increase picking speed, the 2315 can be used while holstered. See how it works at the show. LXE. **Booth** 401. Circle 178

Low-volume tabletop printer

The Rogue printer offers the power of a...

...shipping container labeling, cross-dock routing, shelf/bin labeling, and receiving/putaway. Monarch Marking Systems. **Booth** 611. Circle 179

Smaller-scale wireless
The PTC-921 wireless remote scanning **terminal** enables fast, accurate data capture for work-in-process and shipping/receiving. The integrated laser...

... via the MicroRadio network designed for smaller areas, for a range to 100 ft. Telxon. **Booth** 411. Circle 180

Top-apply labeler

The LSX-12 top-apply printer/applicator accommodates vertical...

... transfer labels and has a maximum standard label size of 4"x 6". AccuSort Systems. **Booth** 463. Circle 181

Label graphics

See a demonstration of Graphics for Printware, an add-on...

... adds company logos, product pictures, warning symbols, or illustrations to label designs. Wallace Computer Services. **Booth** 865. Circle 182

High-speed printers
The 140Xi prints at up to 12 inches per...

... complex label formats and graphics from the host computer to the printer. Zebra Technologies Corp. **Booth** 711. Circle 152

Warehouse package

The Catalyst Warehouse Management System provides full control over receipt ...

... an open, Unix-based architecture and uses barcode technology for real-time control, improved **inventory** accuracy, and fast order turnaround. Catalyst USA. **Booth** 467. Circle 151

Print/apply label systems

Datapply print and apply systems automatically mark pressure...

... purchase orders, reducing debit memos and penalties associated with incorrect shipments. Avery Dennison, Soabar Div. **Booth** 735. Circle 153

Low-temp RF

This **booth** will feature a broad range of 32-bit-based RF systems, including the 8050 full screen low temperature (LT) vehicle-mount RF **terminal**. The **terminal** is designed for use in temperatures as low as -18degC. Automatic contrast control tracks and adjusts the LCD contrast for optimum readability when moving between low and high temperatures. Teklogix. **Booth** 301. Circle 155

Projection scanners

See a new version of Metrologic's MS700i Series projection...

... bar code data to the PC keyboard scan code equivalent. Also on hand at this **booth** will be the SkanKey laser scanner, a wearable, automatic device with a 17-button keypad and LCD display. Metrologic. **Booth** 553. Circle 154

Hand-held PC

The Pen-Key 6300 hand-held computer system has...
... in wireless client/server applications in numerous operating systems, including Unix and Novell Netware. Norand. **Booth** 911. Circle 156

Fixed-position scanning

At this **booth** you'll see a demonstration of the CiMAX 7500, an intelligent, fixed position laser scanner...

... control. The 7500 combines the capabilities of a scanner, decoder, PC, and PLC. Computer Identics. **Booth** 1553. Circle 157

Thermal transfer printer

The DMX 600 is a wide-web bar code...

... images at 8 inches per second on materials to 6.7 inches wide. Datamax Corp. **Booth** 519. Circle 158

Thermal transfer ribbon

As companies expand their use of online thermal transfer...the vast array of printers and label materials becomes more complex. The people at this **booth** will have some answers about proper ribbon specification. Coding Products. **Booth** 765. Circle 159

Multi-faceted data collectors

The OmniWand family of data collectors can be...

... an integrated laser, contact bar code readers, or a Touch Memory button reader. Applications include **inventory** management, warehousing, building security, asset tracking, field inspections, and any job requiring data collection at the work site. Videx. **Booth** 532. Circle 160

CubiScan cubing and weighing systems are non-contact sizing...

... by the CubiScan 100 is electronically stored for transfer to a host computer. Quantronix, Inc. **Booth** 870. Circle 162

RF tool kit

The Micro-Wand RF Lite is a "tool kit...
...areas up to 30,000 sq ft and capable of handling up to 15 portable **terminals** , RF Lite can reduce the cost of simple RF installations by as much as 75%. Both contact and noncontact portable **terminals** will be displayed at ID Expo. Hand Held Products. **Booth** 729. Circle 161

Decoder/scanners

See a new line of decoder-integrated bar code scanners...

... configured from a simple bar code menu, using the same eprom and connection cables. STI. **Booth** 312. Circle 163

Remote data capture

The BARman bar code reader is a hand-held...

... characters before its memory content has to be transferred to a PC. ACC Systems Inc. **Booth** 323. Circle 164

Warehouse management

The Viaware warehouse management system offers full inbound/outbound container...

... manifests, and bills of lading, as well as for hazardous materials documentation. Haushahn Systems & Engineers. **Booth** 882. Circle 165

Clean your heads

The PreClean printer-head cleaning card removes normal dirt...

... printer like a label. Regular use saves on equipment repair and replacement. Clean Team Co. **Booth** 759. Circle 166

Acquire distribution data CIM+ is a client server software package that automates...

... distribution data for many popular MRPII software products. It promotes easy and rapid entry of **inventory** and **shop** floor data by using bar code and radio controlled devices. It instantly validates all input against a subset of the data shared with the server MRPII and **inventory** software. CIM Vision International. **Booth** 860. Circle 167

Thermal transfer family

The 8580 thermal transfer printer has a 300 dpi...

... 4010 has the same features but has a 4-inch print width. Analog Technology Corp. **Booth** 422. Circle 168

Affordable, tough printer

The Model 440 QualaBar bar code printing system costs...

... and quality control. It prints labels up to 4" wide and 15" long. RIS.

Inc. **Booth** 641. Circl● 69

Label your totes

Bar code label holders let the user display non...

... labels on tote boxes. They keep the labels clean, readable, and scannable. Fast Industries Inc. **Booth** 1019. Circle 170

Stock room tracker
The IntelliTrack stockroom **inventory** tracking system combines the Microsoft Access 2.0 Windows database with portable bar code readers, both pre-configured with the IntelliTrack software. The system provides complete **inventory** control, including issues and receipts, using a variety of input devices including wand, CCD, and laser. IntelliScan, Inc. **Booth** 471. Circle 171

Data to go

The DataGenie hand-held computer allows mobile professionals to download data from a host computer directly to the **terminal** before going into the field.

Later they can upload data to the host computer through...

... link. Using four AA batteries, DataGenie offers 200 hours of battery life. Data General Corp. **Booth** 418. Circle 172

Smart hand-held printer

The K2000 hand-held thermal-transfer bar code...
... of a key, and additional intelligence can be made available with application cards. Kroy, Inc. **Booth** 324. Circle 173

In-hand data crunching

The PT805 combines the functions of a portable...

...a real time clock, and can decode 11 major bar code symbologies. Unitech America Inc. **Booth** 663. Circle 174

Warehousing labels

The EasyStep 2500 is a portable lettering machine that produces...

... Systems, users can create labels with logos, engineering diagrams, or symbols and text. Varitronic Systems. **Booth** 1045. Circle 183

Multi-port reader

The Series 88 multi-port bar code reader simultaneously... and will configure it to accept data in the proper format. I.D. Technologies, Inc. **Booth** 419. Circle 184
Linerless-label printer

The FreeLiner is a portable thermal printer that uses...

...more printable labels per roll with superior print image and durability, says the manufacturer. Datasouth. **Booth** 934. Circle 185

00779674 94-29065

...ABSTRACT: spawning new retail concepts, and making possible radically
new retail approaches to product delivery and **inventory** management.
One of these concepts is home shopping. Many retailers are likely to
develop their...

... others will market their goods through existing channels. Another trend
is the development of virtual **inventory** - the elimination of physical
inventory through the use of electronic storage and delivery. Egghead
Software and Blockbuster Entertainment have both developed virtual
inventory systems. Virtual shopping and virtual **inventory** are
both in their infancies, and the future holds almost limitless
possibilities. Electronic delivery and...

...TEXT: behavior, spawning new retail concepts, and making possible
radically new approaches to product delivery and **inventory**
management.

"The evolution of retail technology is giving way to a full-scale
revolution," says...

... It's virtual shopping, made possible by technology, and driven by
consumer demand."

* ON-DEMAND **INVENTORY**

If consumer demand is driving the trend toward virtual shopping, economics
is driving the trend toward virtual **inventory** --that is, the
elimination of physical **inventory** through the use of electronic
storage and delivery. In August, at an Ernst & Young/Lebhar Friedman
conference titled "**Inventory** Pipeline Management Through Partnerships
and Technology," Tim Turnpaugh, until recently the chairman and CEO of
Egghead Software, described a new virtual **inventory** service, called
Egghead Express, which was developed to better serve the company's
corporate customers...
... a result, the company has studied other industries for models on how to
better manage **inventory** and found great promise in the idea of
electronic commerce, which is the distribution of...

... 3 billion video and music store chain and entertainment concern, has
also developed a virtual **inventory** system. Called Soundsational, the
system (actually the creation of a Blockbuster-IBM joint venture) allows...

... as CDs, videotapes, and audiotapes, directly to Blockbuster's stores,
eliminating the need for the **stores** to carry physical **inventory**
.

Speaking at Ernst & Young's **Inventory** Management Conference, David
Lundeen, the Blockbuster executive responsible for the project, described
both the rationale...

... 3,200 stores (worldwide) carry approximately 7,000 titles each. But
despite the volume of **inventory** they carry, the **stores** miss
numerous sales opportunities because they cannot carry every title their
customers might want--at...

...a customer comes into a Blockbuster store, he or she can make use of a
kiosk equipped with a touch screen to both identify and **preview**
products of interest. After making his choice, the customer will
tell a clerk behind the front...

...and all--in a matter of minutes.

As Lundeen says, Blockbuster will benefit from improved **inventory** management, better customer satisfaction, and increased revenue and margins. The content providers will benefit from...readily available to new markets. And customers will benefit because they will be able to **preview** a **product** before buying or renting it; they will always get what they want-no more out-of-stocks; and the **kiosks** will make going to a store more entertaining.

Soundsational is currently in the testing phase...

...rapidly and economically.

* FUTURE POSSIBILITIES

The most exciting thing about both virtual shopping and virtual **inventory** is that they are both in their infancy, and the future holds almost limitless possibilities...

...the largest chain in the U.S. with almost 900 stores, is now testing a **music-previewing** system that looks like a cellular phone. It also recently opened its first "megastore." featuring...

... Megastores, which will feature an in-store "radio station," an ampitheater for live performances, listening **booths** and book stores.

* TECHNOLOGY'S DUAL ROLE

In

4/3,K/4   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

07526218   SUPPLIER NUMBER: 15796846   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Music previews play sales hits. (**music** store private
   listening stations)
Bachman, Katy
Direct, v6, n9, p23(1)
Sept, 1994
ISSN: 1046-4174   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 463   LINE COUNT: 00036

Music previews play sales hits. (**music** store private
   listening stations)

TEXT:
      ...5 minutes is the intent behind San Franciso-based intouch group's iStation, an interactive **music-preview kiosk**.
      Music previewing has become more important in music retailing," says Ivan Lipton, president of Milford, MA-based...

...dispenser and electronic catalog of 40,000 titles, more than double that of the average **store inventory** of 15,000. Says intouch president and CEO Joshua Kaplan: "We're helping develop the...

...PRODUCT/INDUSTRY NAMES: 3573272 (Interactive **Terminals**)
19940900

4/3,K/5   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

05884541   SUPPLIER NUMBER: 12253263   (USE FORMAT 7 OR 9 FOR FULL TEXT)

...   unwilling to provide details.
     INTOUCH OFFERS LONGBOX ALTERNATIVE
     Intouch's i-Station takes the listening-**booth** concept one step
further, with hopes of providing a display alternative to the CD longbox...

...and liner notes, and would carry the UPC bar code affixed to the actual
product. **Retailers** would stock **inventory** behind the counter.
     "The bin configuration would remain the same, the customers would
still have the chance to **preview** and sample the **product**," says
Intouch executive Josh Kaplan. "Small retailers will be able to compete
with bigger stores because they could cut their **inventory** costs and
keep margin higher."
     The i-Station can provide customers access to a library...

 ...DESCRIPTORS: Computer **terminal** industry...

Scan-Tech 90 scanning super show. (includes **product preview**)
...   data collection systems. SmartGen is an easy-to-use data collection
system generator for portable **terminals** and PCs.
        Xico Inc.
        Demonstrated will be how magnetic stripe cards can be used in...

...Inc.
        The Digi DC-60 is a complete bar code labeling, printing and
self-contained **inventory** management system with features that include
simultaneous displays of part number, set point quantity, weight...

...can read various Indala RF tags at distances up to 24". Applications
include factory automation, **shop** floor management and **inventory**
management.
        Linx Data **Terminals**
        These **terminals** are BASIC programmable, on-line, barcode and
magnetic stripe data collection **terminals** with up to 768K bytes of
memory. Data collector programs support large, intelligent networks on...

...completely integrated work station or as PC software.
        Data Capture Institute Inc.
        Featured at the **booth** will be a publication entitled Using Bar
Code: Why It's Taking Over. The 325...board decode and keyboard interface.
The Link is a newly designed programmable wedge for POS **terminals**.
        Bar Code Systems Inc.
        The Analyzer 3000 monitors the print quality of your bar codes...

...bottlenecks in electronic picking systems. It uses a network of light
and switch modules, miniature **terminals** and sophisticated software to
direct the activities of your pickers.
        Aedex Corp.
        LabelCAD label design...

...the T&A family of multi-function keyboards, optical and magnetic stripe
slot readers. These **terminals** are designed for trouble-free
performance in the toughest environments.
        Catalyst USA Inc.
        The Catalyst System provides control over **inventory**, storage
space, material handling equipment and warehouse personnel. It improves
space utilization by selecting storage...

...data on durable metal tags. The tags can improve speed, accuracy and
efficiency in production, **inventory** control and shipping.
        Itron
        The Series T3000 is a compact, light-weight hand held computer...for
retail security on jewelry.
        LXE
        Introduced are new RF base stations that connect RF **terminal**
networks from this company to any host computer in an Ethernet network

through TCP/IP Telnet⬤he base stations communicate t⬤ireless
terminals that emulat⬤tandard ANSI hardwired **termina⬤**
     Eureka Systems Inc.
     The new 2K Tag has a memory of 2,000 bytes of...

...labeling systems.
     Teklogix Inc.
     Offered is the Tekscan Model 7020, a hand held radio link
terminal. It is similar to the Model 7015 hand held, but is equipped
with a much and plug compatibility with most **terminals** and computers.
     Coding Products
     This firm produces ribbons to fit almost all TTR printers on...

...interfaces and alphanumeric display.
     Vertex Industries Inc.
     See a new data collection system that links **terminals** at 19,200
baud through AC power lines without any interconnecting wiring via spread
spectrum...

...of Easy-Scanner bar code decoders that interface with more than 175
different computers and **terminals** including parallel, OCIA, RS-232
and keyboard wedge.
     Toledo Scale Corp.
     The Model 8582 high...

...and label generation will be demonstrated.
     Mars Electronics International
     The new MEQ 430 laser scan **terminals** provide for reading direct
thermal imprinted bar codes and color printed bar codes in automated...

...consists of the RD3990 remote display, the CA3950 communications adapter
and the RT3210 radio data **terminal**. The system allows you to use your
RT3210 in either a lift truck mount application Time data collection system
consists of One-Station data **terminals**, a protocol converter,
multipoint communication modules and the system software you need to
accurately and...

...circuit memory card technology.
     Data Net Corp.
     The DNT 1000 is a compact, intelligent, rugged **terminal**. It is
compatible with other **terminals** from this firm and accepts bar code
and magnetic inputs. Comes with 128 or 256K...

...the latest from the firm's product line of bar code reading equipment,
portable data **terminals** and radio frequency data communications
products. Featured will be the PDT 3300, the newest offering from the 16
bit **terminal** line.
     Panasonic Communications & Systems Co.
     Featured will be the new JT-785 Data Partner that...

19900900

4/3,K/7   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

04577537   SUPPLIER NUMBER: 08946187   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Work before you walk the stationery show. (National Stationery Show;
  Greeting Cards and Stationery supplement)
Krassner, Katherine
Gifts & Decorative Accessories, v91, n4, pS6(2)
April, 1990
ISSN: 0016-9889   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1184   LINE COUNT: 00087

...   of Gifts. Map●ng out your strategy - how you ●t to cover the
show, what your **inven●ry** needs are, which resources y●need to see,
how much time you have and how...

...bring a notepad with me and walk the show on Sunday, and write down the
booths I wanted to go back to," suggests Chuck Holst, owner of
Holst-Bowen. When possible...

...new items. If you do plan on placing reorders at the show, however, have
your **inventory** sheets with you, leave them at the **booth**, and
say goodbye!" **Inventory** sheets, credit sheets and business cards are
items Board members suggest bringing plenty of to...
...information, makes it easier and faster for resources to write out order
forms at the **booth**, and increases the chances of the information on
the order form being correct," relates Sternberg...

...major vendors, the board advises looking for new items that will add
freshness to your **store**'s current **inventory**. However, make sure
any new products you purchase are appropriate for your store and clientele
...

...it for your store, at least know what's there," notes Horwich.
       To get a **preview** of new **products** debuting at the show,
the Advisory Board recommends reading trade publications such as Gifts &
Decorative...

19900400

 4/3,K/8   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

03484773   SUPPLIER NUMBER: 06459571   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Top honors for top designs. (retail design)
Chain Store Age Executive with Shopping Center Age, v64, n3, p64(12)
March, 1988
ISSN: 0193-1199   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 5916   LINE COUNT: 00482

...   customer travels up through the escalator well, the glass walls
treat the customer to a **preview** of the upcoming **merchandise**.
       Materials used on the second floor landing include brass sconces and
trimmings, walnut veneer and...

...the rest of the store, by walking through a cool blue aluminum and glass
ticket **booth**. To the left of this is the sideshow which houses the
classical music department. To...points of interest. Hundreds of
merchandise displays encourage customers to touch what seems like unlimited
inventory. For example, the **store** carries 14 types of buttons
for pull cords.
       The wall sections are 10 ft. high...

19880300

 4/3,K/9   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2001 European Patent Office. All rts. reserv.

00748477
METHOD AND SYSTEM FOR DELIVERING PRODUCT RECOMMENDATIONS
VERFAHREN UND SYSTEM ZUM AUSLIEFERN VON PRODUKTEMPFEHLUNGEN
PROCEDE ET SYSTEME POUR PROPOSER DES RECOMMANDATIONS DE PRODUITS
PATENT ASSIGNEE:
  BLOCKBUSTER ENTERTAINMENT, INC., (2078670), One Blockbuster Plaza, 200 S.

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9901	1139
CLAIMS B	(German)	9901	1044
CLAIMS B	(French)	9901	1411
SPEC B	(English)	9901	4417
Total word count - document A			0
Total word count - document B			8011
Total word count - documents A + B			8011

...SPECIFICATION Kaplan, provides for a method for gathering information
concerning an individual's selections at a **product preview
kiosk**. Unfortunately, there are no systems which use this
information for the production of promotional coupons...

...of the invention to provide these picks at the check-out stand or at a
kiosk, where selections are made.
    It is yet a further object of the invention to take...individually
targeted promotions and product coupons;
    FIG. 2 is a diagram of a customer checkout **terminal** subsystem of
the system;
    FIG. 3 is a diagram of a **kiosk** subsystem of the system; and
    FIG. 4 is an example of a promotion and product...

...purchase and in-store use of a product.
    The illustrated system includes four customer checkout **terminals**
T1-T4 1, and a coupon printer P1-P4 3 located at each customer checkout
terminal 1. The illustrated system also includes an in-store
kiosk K1 5, with a coupon printer P5 7 attached to the **kiosk**
5.
    A coupon controller 9 is connected directly or indirectly to each
coupon printer P1...

...of-sale computer 11 is connected to the coupon controller 9 and each
customer checkout **terminal** 1, and a host system 13.
    The host system 13 includes host storage 15. The...once per day and
poll the point-of-sale computer 11 for current information on
inventory and new information collected on customers.
    At the same time, the host system 13 preferably...

...of-sale computer 11 can collect the real-time transaction information
from the customer checkout **terminals** 1. When a customer purchases a

particular product...he point-of-sale computer 11 w...

...the customer and the product. Also, the point-of-sale computer 11 can
track in-**store inventory** based on purchases and returns, in
an **inventory** data base. Further, the point-of-sale computer 11
preferably stores information concerning all transactions...

...VAX"(TM) computer.
The system can be conceptualized as including a combined customer
check-out **terminal** subsystem, illustrated in Fig. 2, and a
kiosk subsystem, illustrated in Fig. 3. The system as it is
implemented in a particular store...

...one of the subsystems.
Reference is made to Fig. 2, showing a customer check-out
terminal subsystem. There are a number of customer check-out
terminals 1. The actual number of check-out **terminals** 1 is
determined by the requirements of the location where the system will be
used. Thus, there may be one to four or even more check-out
terminals 1. In the illustrated embodiment, a coupon printer 3 is
located physically adjacent to each check-out **terminal** 1. However,
the coupon printer 3 and the check-out **terminal** 1 are not directly
connected to each other. The coupon printer 3 will be able...

...the point-of-sale computer 11 communicates via communication line 21
with each check-out **terminal** 1. The line 21 can be a standard
parallel communication line, or any other conventional...

...communications line 23 to cause each printer 3 to print the coupon.
The check-out **terminal** 1 will begin the process when a user code
is entered. The user code is...in storage 17 at the store location.
Reference is made to Fig. 3, showing a **kiosk** subsystem. There are
a number of **kiosks** 5. The actual number of **kiosks** 5 is
determined by the requirements of the location where the system will be
used. Thus, there may be optionally one or more **kiosks** 5. In the
illustrated embodiment, a coupon printer 7 is located physically adjacent
to each **kiosk** 5, and communicates directly with the **kiosk** 5.
The coupon printer 7 will be able to print recommendations and promotions
coupons in...

...As illustrated, the point-of-sale computer 11 communicates via
communication line 27 with each **kiosk** 5. The communication line 27
can be a standard communications network, such as "ETHERNET"(TM...

...to print the coupon. The graphics commands to the printer 7 are passed
through the **kiosk** 5 to the printer.
The **kiosk** 5 will begin the process when the user code is entered.
As with the check-out **terminals**, the user code can be entered via
the scanable card 19, or entered manually. The...

...coupon is preferably printed when the user completes a transaction at
either the check-out **terminal** 1 or the **kiosk** 5. However, the
coupon could be printed at any point in the transaction.
To prevent a user from monopolizing a **kiosk** 5, the coupon
controller 9 may suppress the transmission to the printer 7 until after
...

...a store in which the coupon controller 9, point-of-sale computer 11,
check-out **terminal** 1, printer 3, **kiosk** 5 and printer 7 are
located has opened for the day.
A database is provided...

...products and selects a product, for example a movie for rental. At the
check-out **terminal** 1, the user is identified to the system by the
user code on the card...those products and promotions are retrieved from
storage 17 and transmitted to the check-out **terminal** printer 3

associated with the check-out **terminal** 1. The check out
terminal printer 3 then prints out the coupon with the graphics
and text by the time the user has terminated a session at the check-out
terminal.

Alternatively, the user interacts with the **kiosk** 5, entering the
user code via scanning of the card 19 or keyboard entry. The...

...the information about the user which is stored in the coupon controller
storage 17. A **kiosk** can be used for its conventional function of
previewing products. While at the **kiosk**, the user
requests recommendations of products. Available products have already
been classified by the system...

...to genre, or other information which is determined to be relevant to
future purchases.

The **kiosk** 5 communicates with the coupon controller 9, and
informs the coupon controller 9 of the...

...recommendations for those products and promotions are retrieved from
storage 17 and transmitted to the **kiosk** 5. The **kiosk** 5 then
causes the **kiosk** printer 7 to print out the coupon with those
graphics and text by the time the user has terminated a session at the
kiosk 5.

Different users would use the **kiosk** and/or **terminal** in any
given day. For video stores, it would be unusual for an individual user
...

...customer history file.

Output devices have been illustrated and discussed as the printer at
the **kiosk** subsystem, and the printer in the customer **terminal**
subsystem. Alternatively, the output device could be any other hard or
soft copy device such...

...CLAIMS claim 1, the user code and use information being entered via a
customer check-out **terminal** (1) communicating with a
point-of-sale computer (11), the point-of-sale computer (11...

...7. The method as claimed in claim 6, comprising a plurality of customer
check-out **terminals** (1) and associated output devices (3).
8. The method as claimed in claim 1, the user code and use information
being entered via a **kiosk** (5) communicating with a coupon
controller (9), and the product recommendations and promotions being
delivered from the coupon controller (9) to the **kiosk** (5), and
the product recommendations and promotions being printed from an
associated output device (7) communicating with the **kiosk** (5).
9. The method as claimed in claim 8, comprising a plurality of
kiosks (5) and associated output devices (7).
10. The method as claimed in claim 8, wherein...

...sale computer (11), the means for entering a user code being a customer
check-out **terminal** (1) communicating with the point-of- ...
second data processing means being a coupon controller (9)
communicating with the customer check-out **terminal** (1), and the
output device (3) communicating with the coupon controller (9) to
deliver product...

...19. The system as claimed in claim 18, comprising a plurality of
customer check-out **terminals** (1) and associated output devices
(3).
20. The system as claimed in claim 13, the...

...a point-of-sale computer (11), the means for entering a user code being
a **kiosk** (5) communicating with the point-of-sale computer (11),
the second data processing means being a coupon controller (9)
communicating with the **kiosk** (5), and the output device (7)
communicating with the **kiosk** (5) to deliver product

recommendations⬤d promotions.
   21. The system as c⬤med in claim 20, comprising a ⬤rality of
      kiosks (5) and associated output devices (7).
   22. The system as claimed in claim 20, wherein...
...CLAIMS code d'utilisateur et les informations d'utilisation sont
      introduites par l'intermediaire d'un **terminal** (1) de retrait
      pour client qui communique avec un ordinateur de point de vente (11
      ...de point de vente (11), les moyens pour introduire un code
      d'utilisateur sont un **terminal** de retrait (1) pour un client,
      qui communique avec un ordinateur de point de vente...

...moyens de traitement sont un dispositif de controle de coupons (9) qui
      communique avec le **terminal** de retrait (1) pour client et le
      dispositif de sortie (3) communique avec le dispositif...

 4/3,K/10   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2001 European Patent Office. All rts. reserv.

00677430
Digital information accessing, delivery, and reproduction
Zugriff, Ubertragung und Wiedergabe von digitaler Information
Acces, livraison et reproduction d'informations digitales
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (Proprietor designated states: all)
INVENTOR:
  Tsevdos, James T., 2711 NE 57th Street, Fort Lauderdale, Florida 33308,
    (US)
  Cook, Ross L., 901 SW 36th Avenue, Boynton Beach, Florida 33435, (US)
  Ring, Nancy Lee, 6129 Town Colony Drive, Boca Raton, Florida 33433, (US)
  Barnhill, Robert S., 21218 St. Andrews Blvd., No. 10-405, Boca Raton,
    Florida 33433, (US)
  Hamblin, Glen E., 9384 Gettysburg Road, Boca Raton, Florida 33434, (US)
  Milstead, Kenneth L., 9927 Majestic Way, Boynton Beach, Florida 33437,
    (US)
  Kindell, Craig N., 2014 SW 29th Court No. 2A, Delray Beach, Florida 33445
    , (US)
  Waefler, Susan Elizabeth, 5086 Madison Road, Delray Beach, Florida, 33484
    , (US)
  Portela, Carlos, 2659 SE 14th Street, Pompano Beach, Florida 33062, (US)
  Anderson, Brent C., 14232 Marsh Lane, Dallas, Texas 75244, (US)
LEGAL REPRESENTATIVE:
  Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
    Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 649121 A2   950419 (Basic)
                                   EP 649121 A3   950809
                                   EP 649121 B1   000119
APPLICATION (CC, No, Date):   EP 94307596 941017;
PRIORITY (CC, No, Date): US 137880 931015
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: G07F-017/16; G06F-017/60; G06F-017/30
ABSTRACT WORD COUNT: 392
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200003	2032
CLAIMS B	(German)	200003	2001
CLAIMS B	(French)	200003	2379
SPEC B	(English)	200003	16248
Total word count - document A			0
Total word count - document B			22660

...ABSTRACT to exhaustively search and preview the content database using graphics-based touch screens at consumer **kiosks**. Previews including audio and video segments are made available. Prompting screens allow customers to make...

...for a particular work, is done so as to eliminate the need for any in-**store inventory** of, for example, an artist's composition regardless of format. Security mechanisms that require centralized...

...SPECIFICATION then is faced with the dilemma of allocating floor space to all of that available **inventory** regardless of the popularity of much of the stocked material. If this is not common...

...work. Any miscalculation by the retailer evolves in what is known as stock-outs.

The **retailer's inventory** management problems are there whether or not the product is in **inventory** at their particular retail outlet or needs to be procured in order to meet that...

...turn out to not be a item of particular interest.

It is difficult for the **retailer** to maximize the **inventory** at the retail outlet and have it attain the level of expectation of the customer. **Inventory** and product stocking principles, such as just-in-time practices, have assisted the merchandiser to...exhaustively search and preview the content database using graphics-based touch screens at consumer interface **terminals** such as a **kiosk**. For a proposed audio application, previews including audio and video segments are available. Through the a particular work, is strategized in order to eliminate the need for any in-**store inventory** of an artist's composition regardless of format. In essence, every album in every particular...

...able to utilize floor space to maximize merchandising and need not feel the burden of **inventory** drag.

Thus , merchandising is greatly enhanced through the use of multi-media **kiosks** or **booths** individualized to the customer and/or categories of buyers. This makes the selection, preview and...

...works of a particular artist or a particular type of music. With the multi-media **kiosk** experience, the retailer has an opportunity to further enhance the purchaser's interest in matters...station;

FIG. 19 is a multimedia preview station screen presentation of the audio and video **music** categories at the **preview** station;

FIG. 20 is a preview station screen presentation of an exemplary listing of artists...

...from end station to end station. One end station would be for data preview at **booths** 106. Another end station is the manufacturing device or subsystem 104. Yet another end station...10 illustrated three approaches to multiplex and demultiplex the aggregate bandwidth required by the various **terminals** and devices contained within the customer premises to a single high speed trunk entering the...the consuming side of the system and its total bandwidth is for all the end **terminals** that are in the store or customer premise. The outgoing messages are essentially the reverse...

...from the outside network and then switch it to the appropriate data consumer and or **terminals**, inside of the customer premise.

Typical switches are made out of what is referred to...1.4 megabytes for an eight times tape writer and 7 megabytes for 40 preview **booths** playing 1.4 Mbit per second MPEG compressed video or CD quality audio.

It is...can interact with the on-demand system, including, but not limited to, such interactions, like **previewing**, ordering,

product pick-up and ▮ intaining transactional record ▮
Device Controller - ▮ set of computer programs which ▮ ntrol...

...Line Items.
Piece - one component part of an Item, such as:
Point of Sale - a **terminal** such as a cash register, located at
the point where a customer makes a purchase. This **terminal** includes
a computer program that allows a sales person to view, and, if
appropriate, change...
...sample of a work. Typically the access is to demonstrate the
capabilities of the offered **product** at a **preview** by the
viewer with the prospect of leading to a sale of the product to...

...type would generally be located in a retail sales environment such as
a store or **kiosk**. Orders for product may be placed at the Preview
Station.
Work - an Item being offered...the customer's membership card through a
card reader at the Point-of-Sale (POS) **terminal** 1308. a07) The POS
1308 sends a remote database query message to the Accounting Server...

...This is to account for any changes made by the sales clerk at the POS
terminal 1308.
    b02) The Accounting Server 1304 updates the Grant Table and Make Table
with one...1314 displays the Order as a set of manufacturing instructions
on the Manufacturing Technician's **Terminal** (MTT) 1322. Each Item to
be manufactured is displayed as a single line.
    c03) In...made to operate with the OS/2 operating system, as one such
system. Likewise the **booth** 1502 is a multimedia preview station.
    The communication process and the flow of messages or...

...presence of the communication engines of each of the typical subsystems,
i.e., the Preview **Booth** station 1502, the Retail Accounting station
1504, the Central Host Accounting station 1506, the Manufacturing...
station 1508.
    In FIG. 16 there is illustrated a panorama of multimedia preview
stations or **booths** 1303 as previously illustrated for FIGS.12 and
13. These **booths** 1303 are similar in concept to the multimedia
preview **booths** 106 of FIG.1 and are those **booths** illustrated
in FIG.11 at the retail store 1108. FIG. 16 illustrates a typical video
...the customer has made during the course of the customer's presence in
the preview **booth** 1303. It presents the customer with the quantity,
the title, the format, i.e., CD...

4/3,K/11   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2001 WIPO/Univentio. All rts. reserv.

00316715
METHOD AND SYSTEM FOR DELIVERING PRODUCT PICKS
PROCEDE ET SYSTEME POUR PROPOSER DES SELECTIONS DE PRODUITS
Patent Applicant/Assignee:
  BLOCKBUSTER ENTERTAINMENT INC,
Inventor(s):
  STEIN Buddy,
  TWYFORD Lee V,
  MINTER David D,
  WILSON Michael M,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9534870 A1 **19951221**
  Application: WO 95US7119 19950615   (PCT/WO US9507119)
  Priority Application: US 94261909 19940615
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU
  IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD
  SE SG SI SK TJ TM TT UA UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR
  IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Detailed Description
... Kaplan, provides for a method for gathering
  information concerning an individual's selections at a
  product preview kiosk. Unfortunately, there are no
  systems which use this information for the production of
  promotional coupons...

...of the invention to provide
  these picks at the check-out stand or at a **kiosk**, where
  selections are made.

  It is yet a further object of the invention to take...individually
  targeted promotions and product
  coupons;
  FIG. 2 is a diagram of a customer checkout **terminal**
  subsystem of the system;
  FIG. 3 is a diagram of a **kiosk** subsystem of the
  system; and
  FIG. 4 is an example of a promotion and product...

...rental, purchase and instore use of a product.

  The illustrated system includes four customer
  checkout **terminals** T1-T4 1, and a coupon printer P1-P4 3
  located at each customer checkout **terminal** 1. The
  illustrated system also includes an in-store **kiosk** K1 5,
  with a coupon printer P5 7 attached to the **kiosk** 5.

  A coupon controller 9 is connected directly or
  indirectly to each coupon printer P1...

...of-sale
  computer 11 is connected to the coupon controller 9 and
  each customer checkout **terminal** 1, and a host system 13.

  The host system 13 includes host storage 15. The...once per day and poll
  the point-of-sale computer 11 for current information on
  inventory and new information collected on customers.

  At the same time, the host system 13 preferably...

...of-sale computer 11 can collect
  the real-time transaction information from the customer
  checkout **terminals** 1. When a customer purchases a
  particular product, the point-of-sale computer 11 will...

...the customer and the product. Also, the point-of
  sale computer 11 can track in-**store inventory** based on
  purchases and returns, in an **inventory** data base.

  Further, the point-of-sale computer 11 preferably stores
  information concerning all transactions...

...a micro-vax.

  The system can be conceptualized as including a
  combined customer check-out **terminal** sub@ystem,

illustrated in Fig⬤ and a **kiosk** subsystem, illust⬤ed
in Fig. 3. The syst⬤ as it is implemented in a   ⬤
particular store...

...one of the subsystems.

Reference is made to Fig. 2, showing a customer
check-out **terminal** subsystem. There are a number of
customer check-out **terminals** 1. The actual number of
check-out **terminals** 1 is determined by the requirements
of the location where the system will be used. Thus,
there may be one to four or even more check-out **terminals**
1. In the illustrated embodiment, a coupon printer 3 is
located physically adjacent to each check-out **terminal** 1.

However, the coupon printer 3 and the check-out **terminal**
1 are not directly connected to each other. The coupon
printer 3 will be able...

...the point-of-sale computer 11
communicates via-communication line 21 with each check
out **terminal** 1. The line 21 can be a standard parallel
communication line, or any other conventional...
...communications line 23 to cause each printer
3 to print the coupon.

The check-out **terminal** 1 will begin the process when
a user code is entered. The user code is...

...in storage 17 at the store
location.

Reference is made to Fig. 3, showing a **kiosk**
subsystem. There are a number of **kiosks** S. The actual
number of **kiosks** 5 is determined by the requirements of
the location where the system will be used. Thus, there
may be optionally one or more **kiosks** 5. In the
.illustrated embodiment, a coupon printer 7 is located
physically adjacent to each **kiosk** 5, and communicates
directly with the **kiosk** S. The coupon printer 7 will be
able to print recommendations and promotions coupons in...

...As illustrated, the point-of-sale computer 11
communicates via communication line 27 with each **kiosk** 5.
The communication line 27 can be a standard
communications network, such as Ethernet. The...

...to print the coupon. The graphics commands to the
printer 7 are passed through the **kiosk** 5 to the printer.

The **kiosk** 5 will begin the process when the user code
is entered. As with the check-out **terminals**, the user
code can be entered via the scanable card 19, or entered
manually. The...

...coupon -is preferably printed when the user
completes a transaction at either the check-out **terminal**
1 or the **kiosk** 5. However, the coupon could be printed
at any point in the transaction.

To prevent a user from monopolizing a **kiosk** 5, the
coupon controller 9 may suppress the transmission to the
printer 7 until after...

...a store in which the coupon controller 9,
point-of-sale computer 11, check-out **terminal** 1, printer

3, **kiosk** 5 and prin⬤ 7 has opened for the day.   ⬤

. A database is provided on the...products
and selects a product, for example a movie for rental.

At the check-out **terminal** 1, the user is identified to
the system by the user code on the card...

...those
products and promotions are retrieved from storage 17 and
transmitted to the check-out **terminal** printer 3
associated with that check-out **terminal** 1. The check-out
terminal printer 3 then prints out the coupon with those
graphics and text by the time the user has terminated a
session at the check-out **terminal**.

Alternatively, the user interacts with the **kiosk** 5,
entering the user code via scanning of the card 19 or
keyboard entry. The...

...the information about the user which is stored in the
coupon controller storage 17. A **kiosk** can be used for
its conventional function of **previewing products**. While
at the **kiosk**, the user requests recommendations of
products. Available products have already been
classified by the system...

...to genre, or other
information which is determined to be relevant to future
purchases.

The **kiosk** 5 communicates with the coupon controller
9, and informs the coupon controller 9 of the...recommendations for those
products and promotions are retrieved from storage 17 and
transmitted to the **kiosk** 5. The **kiosk** 5 then causes the
kiosk printer 7 to print out the coupon with those
graphics and text by the time the user has terminated a
session at the **kiosk** 5.

Different users would use the **kiosk** and/or **terminal**
in any given day. For video stores, it would be unusual
for an individual user...

...customer history file.
Output devices have been illustrated and discussed
as the printer at the **kiosk** subsystem, and the printer in
the customer **terminal** subsystem. Alternatively, the
output device could be any other hard or soft copy device
such...

Claim
...   claim 1, the user code
and use information being entered via a customer check
out **terminal** communicating with a point-of -sale computer,
the point-of-sale computer communicating with a...

...7 The method as claimed in claim 6, comprising a
plurality of customer check-out **terminals** and associated
output devices.

8 The method as claimed in claim 1, the user code
and use information being entered via a **kiosk**
communicating with a coupon controller, and the product
picks being delivered from the coupon controller...

...sk, and the product picks being printed from an

associated output device communicating with the kiosk

9 The method as claimed in claim 8, comprising a
plurality of **kiosks** and associated output devices.
10 The method as claimed in claim 8, wherein the
coupon...of -sale computer, the
means for entering a user code being a customer check-out
terminal communicating with the point-of-sale computer,
the second data processing means being a coupon
controller communicating with the customer check-out
terminal, and the output device communicating with the
, coupon controller to deliver product picks.

19 The system as claimed in claim 18, comprising
a plurality of customer check-out **terminals** and
associated output devices.

20 The system as claimed in claim 13, the f irst...

...being a point-of -sale computer, the
means for entering a user code being a **kiosk**
communicating with the point-of -sale computer, the second
- 19
data processing means being a coupon controller
communicating with the **kiosk**, and the output device
communicating with the **kiosk** to deliver product picks.
21 The system as claimed in claim 20, comprising
a plurality of **kiosks** and associated output devices.

22 The system as claimed in claim 20, wherein the
coupon...

 4/3,K/12   (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 ProQuest Info&Learning. All rts. reserv.

0442646 93-95209
Auction to close book on seized store
Gunderson, Betsy
Stuart News (Stuart, FL, US) sBUS p--
PUBL DATE: 930930
WORD COUNT: 531
DATELINE: Stuart, FL, US

TEXT:

     ...Oct. 1," said store owner Jolie Pond, who first opened shop at a
flea-market **booth** 15 years ago. "People can **preview** the
merchandise at 8:30 a.m."

     The Internal Revenue Service says only serious bidders will be...

...of "enormous problems" left her and her husband in deep financial
trouble.

     She said the **store** has an **inventory** worth $2 million.
     The 57-year-old bookseller said she'll be there Friday when...

 4/3,K/13   (Item 2 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 ProQuest Info&Learning. All rts. reserv.

0376511 93-27402
MUSICSOURCE U.S.A. announces initial installation of Instant Sheet Music

Kiosk and new marketing agreements
Jacobs, Dale
Business Wire (San Francisco, CA, US) s1 p1
PUBL DATE: 930309
WORD COUNT: 397
DATELINE: Newport Beach, CA, US

MUSICSOURCE U.S.A. announces initial installation of Instant Sheet Music
    Kiosk and new marketing agreements

TEXT:

    ...NASDAQ:MUSE, MUSEU, MUSEW) Monday announced that it commenced
installation of its Instant Sheet Music **Kiosk** at 40 leading U.S.
musical instrument and print music store retail locations.

    Initial placements...

...Electronic Order Catalogue services for a variety of special order
products. The top 100 sheet **music** titles, audio/video **preview**
and **music** network programming via the Network Monitor will all be
provided through the "Order Station **Kiosk**," that will be distributed
by Skydoor Records throughout the National Association of Record Merchants
(NARM...

...noted, "After a short test period, we anticipate continued placement of
the Instant Sheet Music **Kiosks** among the top 120 music retailers.
Further, we envision that those retailers who received the initial
installations will order multiple Instant Sheet Music **Kiosks** for
their other stores as they recognize the benefits of the MUSICSOURCE(R)
System in lower **inventory** requirements, increased **store** traffic
and higher sheet music and other music product sales. We also expect to
sign...

...site printing of a broad list of musical compositions and also acts as
an interactive **terminal** for advertising and catalog fulfillment.

 4/3,K/14   (Item 3 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 ProQuest Info&Learning. All rts. reserv.

0008202 85-08202
The Anatomy of a Marketing Free-for-All
Liebman, Larry
Puget Sound Business Journal (Seattle, WA, US), V6 N26 s1 p11
PUBL DATE: 851104
WORD COUNT: 2,703
DATELINE: WA, US

TEXT:

    ...exclusive territorial franchises.

    Several suppliers to the specialty advertising trade sometimes get
together to jointly **preview** their **products**. In 1978, when
Yantis, a former Boeing executive, entered the field, such meetings would
draw...

...firm can maintain its edge by virtue of the fact that it carries a big
inventory, can custom manufacture and can deliver imprinted products
within 48 hours instead of 60 days...things is that once you've gotten
established you don't even have to keep **inventory** because the
supplier will drop-ship. However, few home enterprises make it since they
lack...

...two homes: Kaye D█elaker has the computer and do█the record keeping while Luanne Arias st█s the **inventory**.

   The partners have invested heavily in **inventory** and are currently renting warehouse space to **store inventory** they cannot keep at home.

   "We've joined the Bellevue Chamber of Commerce and we...two sales persons and an administrative assistant.

   One of her main marketing thrusts is a **booth** at Seattle's annual Office Products and Systems Show which she says has been consistently...

   ...and no nitrates or other preservatives are added.

   A rising star in Port Chatham's **inventory**, he adds, are fresh two pound centercuts of Copper River king salmon which are shipped...

 4/3,K/15   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP Media, LLC. All rts. reserv.

01022433   CMP ACCESSION NUMBER: CRW19940606S2167
Topic Of Discussion At Multimedia Expo East '94 -Video retailing, virtual
    shopping -Another Map For The New Interactive Superactive
COMPUTER RETAIL WEEK, **1994**, n 464 , 47
PUBLICATION DATE: 940606
JOURNAL CODE: CRW   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: merchandising
WORD COUNT: 8365

, 1994
...   space media. Steve is responsible for the design and development of the I Station, a **kiosk** that allows shopping consumers to interactively **preview music** in retail stores. Steve has held product management positions at Apple and Oracle, and was...

...areas that the I Station provides, in terms of functionality, is previewing-allowing consumers to **preview product** or sample **product** prior to purchase-data collection of information and then marketing services.
      Our first application is...fans are catching on fast./P
      "In fact, Intouch research shows 70 percent of the **music previewed** is purchased, and 30 percent said they bought music they would not have purchased without...

...And we're doing this by allowing consumers to basically browse and sample the entire **inventory** of a **store**-in this case, of a record store -in a very, very easy and simple way...storefront and intend to never have a catalog and who will maybe not even have **inventory**, but will do nothing but have a brand identity and go through the selection process...

 4/3,K/16   (Item 1 from file: 654)
DIALOG(R)File 654:US PAT.FULL.
(c) format only 2001 The Dialog Corp. All rts. reserv.

            02462264
Utility
METHOD   AND   SYSTEM FOR DELIVERING ON DEMAND, INDIVIDUALLY TARGETED PROMOTIONS

PATENT NO.: 5,459,306

...individually targeted promotions and product coupons;

   FIG. 2 is a diagram of a customer checkout **terminal** subsystem of
the system;

   FIG. 3 is a diagram of a **kiosk** subsystem of the system; and

   FIG. 4 is an example of a promotion and product...
... Kaplan, provides for a method for gathering information concerning an
individual's selections at a **product preview kiosk**.
Unfortunately, there are no systems which use this information for the
production of promotional coupons...of the invention to provide these picks
at the check-out stand or at a **kiosk**, where selections are made.

   It is yet a further object of the invention to take...
...purchase and in-store use of a product.

   The illustrated system includes four customer checkout **terminals**
 T1-T4 1, and a coupon printer P1-P4 3 located at each customer checkout
terminal 1. The illustrated system also includes an in-store
kiosk K15, with a coupon printer P5 7 attached to the **kiosk** 5.

   A coupon controller 9 is connected directly or indirectly to each coupon
printer P1...

... of-sale computer 11 is connected to the coupon controller 9 and each
customer checkout **terminal** 1, and a host system 13.

   The host system 13 includes host storage 15. The sale computer 11 for
current information on **inventory** and new information collected on
customers.

   At the same time, the host system 13 preferably...

... of-sale computer 11 can collect the real-time transaction information
from the customer checkout **terminals** 1. When a customer purchases a
particular product, the point-of-sale computer 11 will...
... the customer and the product. Also, the point-of-sale computer 11 can
track in-**store inventory** based on purchases and returns, in an
inventory data base. Further, the point-of-sale computer 11
preferably stores information concerning all transactions...

...a micro-vax.

   The system can be conceptualized as including a combined customer

check-out **terminal** ●ubsystem, illustrated in ● 2, and a **kiosk** subsystem, i●●strated in FIG. 3. The sys●●● as it is implemented in a particular store...

...one of the subsystems.

Reference is made to FIG. 2, showing a customer check-out **terminal** subsystem. There are a number of customer check-out **terminals** 1. The actual number of check-out **terminals** 1 is determined by the requirements of the location where the system will be used. Thus, there may be one to four or even more check-out **terminals** 1. In the illustrated embodiment, a coupon printer 3 is located physically adjacent to each check-out **terminal** 1. However, the coupon printer 3 and the check-out **terminal** 1 are not directly connected to each other. The coupon printer 3 will be able...

... the point-of-sale computer 11 communicates via communication line 21 with each check-out **terminal** 1. The line 21 can be a standard parallel communication line, or any other conventional...

...communications line 23 to cause each printer 3 to print the coupon.

The check-out **terminal** 1 will begin the process when a user code is entered. The user code is...in storage 17 at the store location.

Reference is made to FIG. 3, showing a **kiosk** subsystem. There are a number of **kiosks** 5. The actual number of **kiosks** 5 is determined by the requirements of the location where the system will be used. Thus, there may be optionally one or more **kiosks** 5. In the illustrated embodiment, a coupon printer 7 is located physically adjacent to each **kiosk** 5, and communicates directly with the **kiosk** 5. The coupon printer 7 will be able to print recommendations and promotions coupons in ...

... As illustrated, the point-of-sale computer 11 communicates via communication line 27 with each **kiosk** 5. The communication line 27 can be a standard communications network, such as Ethernet. The...

... to print the coupon. The graphics commands to the printer 7 are passed through the **kiosk** 5 to the printer.

The **kiosk** 5 will begin the process when the user code is entered. As with the check-out **terminals**, the user code can be entered via the scanable card 19, or entered manually. The...

... coupon is preferably printed when the user completes a transaction at either the check-out **terminal** 1 or the **kiosk** 5. However, the coupon could be printed at any point in the transaction.

To prevent a user from monopolizing a **kiosk** 5, the coupon controller 9 may suppress the transmission to the printer 7 until after...

... a store in which the coupon controller 9, point-of-sale computer 11, check-out **terminal** 1, printer 3, **kiosk** 5 and printer 7 has opened for the day.

A database is provided on the... products and selects a product, for example a movie for rental. At the check-out **terminal** 1, the user is identified to the system by the user code on the card...

... those products and, promotions are retrieved from storage 17 and transmitted to the check-out **terminal** printer 3 associated with that check-out **terminal** 1. The check-out **terminal** printer 3 then prints out the coupon with those graphics and text by the time the user has terminated a session at the check-out **terminal**.

Alternatively, the user interacts with the **kiosk** entering the user code via scanning of the card 19 or keyboard entry. The...

... the information about the user which is stored in the coupon controller storage 17. A **kiosk** can be used for its conventional function of **previewing products**. While at the **kiosk**, the user requests recommendations of products. Available products have already been classified by the system...

... to genre, or other information which is determined to be relevant to future purchases.

The **kiosk** 5 communicates with the coupon controller 9, and informs the coupon controller 9 of the...
... recommendations for those products and promotions are retrieved from storage 17 and transmitted to the **kiosk** 5. The **kiosk** 5 then causes the **kiosk** printer 7 to print out the coupon with those graphics and text by the time the user has terminated a session at the **kiosk** 5.

Different users would use the **kiosk** and/or **terminal** in any given day. For video stores, it would be unusual for an individual user... customer history file.

Output devices have been illustrated and discussed as the printer at the **kiosk** subsystem, and the printer in the customer **terminal** subsystem. Alternatively, the output device could be any other hard or soft copy device such...
... claim 1, the user code and use information being entered via a customer check-out **terminal** communicating with a point-of-sale computer, the point-of-sale computer communicating with a...

... 7. The method as claimed in claim 6, comprising a plurality of customer check-out **terminals** and associated output devices.

8. The method as claimed in claim 1, the user code and use information being entered via a **kiosk** communicating with a coupon controller, and the product picks being delivered from the coupon controller to the **kiosk**, and the product picks being printed from an associated output device communicating with the **kiosk**.

9. The method as claimed in claim 8, comprising a plurality of **kiosks** and associated output devices.

10. The method as claimed in claim 8, wherein the coupon...of-sale computer, the means for entering a user code being a customer check-out **terminal** communicating with the point-of-sale computer, the second data processing means being a coupon controller communicating with the customer check-out **terminal**, and the output device communicating with the coupon controller to deliver product picks.

19. The system as claimed in claim 18, comprising a plurality of customer check-out **terminals** and associated output devices.

20. The system as claimed in claim 13, the first data...

...being a point-of-sale computer, the means for entering a user code being a **kiosk** communicating with the point-of-sale computer, the second data processing means being a coupon controller communicating with the **kiosk**, and the output device communicating with the **kiosk** to deliver product picks.

21. The system as claimed in claim 20, comprising a plurality of **kiosks** and associated output devices.

22. The system as claimed in claim 20, wherein the coupon...

DIALOG(R)File 654:US PAT.FULL.
(c) format only 2001 The Dialog Corp. All rts. reserv.

                  02215131
Utility
KIOSK APPARATUS AND METHOD FOR POINT OF PREVIEW AND FOR COMPILATION
OF MARKET DATA
[**Preview** of pre-recorded **music** product]

PATENT NO.:   5,237,157
ISSUED: August 17, 1993 **(19930817)**
INVENTOR(s): Kaplan, Joshua D., San Francisco, CA (California), US (United
              States of America)
ASSIGNEE(s): Intouch Group, Inc , (A U.S. Company or Corporation), San
              Francisco, CA (California), US (United States of America)
EXTRA INFO: Assignment transaction [Reassigned], recorded September 29,
              1995 (19950929)
APPL. NO.:   7-957,444
FILED: October 06, 1992 (19921006)

   This is a continuation of co-pending application Ser. No. 07-582,253, now
abandoned, filed on Sep. 13, 1990.

FULL TEXT: 413 lines
KIOSK APPARATUS AND METHOD FOR POINT OF PREVIEW AND FOR COMPILATION
OF MARKET DATA
[**Preview** of pre-recorded **music** product]

PATENT NO.:   5,237,157
ISSUED: August 17, 1993 **(19930817)**

                  OTHER REFERENCES

...a Piece of Cake", Business Week Jul. 2, 1990.

M. Bluestone, "Thanks to CDs, Listening **Booths** are Making a
Comeback", Business Week May 9, 1988.

Virgin Records, Votan, Inc., Fremont, Calif.

D. Steinberg, "McKesson Data **Kiosks** Build Business for Its
Customers", PC Week Mar. 3, 1988.

Los Angeles Times, "Automated Movie...

... and to point of sale preview apparatus, and more particularly this
invention relates to a **kiosk** for the playback of selected data
fragments in response to a user authorization signal and...cannot make his
own selection. The selections are not necessarily those that are in the
store inventory.

   Another in-**store** device traded as Personics System provides the
user with the ability to make customized tapes...

... multimedia based point-of-preview system. In particular, there is
provided interactive digital music sampling **kiosks** to the retail
music industry. The listening **booth** of the 1950s has been reborn and
through the application of software and hardware technology has been
brought into the next century.

   Through the **kiosk** station which acts as a computer age "listening
booth ", the consumer as a subscriber is put in contact with his
purchases by having offered the ability to **preview music** before

purchasing selection● record stores. The guesswork● taken out of music buying by offering●re informed purchase decisions●mparable with those available for other consumer products.

The **kiosk** station provides access to music products through sampling individual selections as discrete increments of information and allows the subscriber to make more educated purchases. The **kiosk** station will thereby dramatically change the way in which consumers purchase music. This increases buying...

... telephone. The customer simply takes any music selection in the store display and approaches the **kiosk** . After scanning their user/subscriber card (free to the user, available at the store counter...

... program. Additional options include full motion MTV videos or Rolling Stone record reviews. The listening **booth** of the 1950s has been reborn and through the application of software and hardware technology...

...added software content.

The selection and input data from the subscriber is collected from each **kiosk** location and is transmitted to be stored in a central database for analysis by the...It is therefore an object of the present invention to provide a computer age "listening **booth**." Consumers will be offered the ability to **preview music** before purchasing selections at record stores. Preview and associated purchase data is collected and stored ...
...scope of the present invention.

Referring to FIG. 1 of the drawings, there is a **kiosk** station 10 shown embodying the principles of this invention. The **kiosk** station 10 utilizes a custom, graphical interface (not shown), proprietary software, a hi-resolution touchscreen monitor 20, and data storage capacity. Each **kiosk** station 10 is provided with data compression technology which is state-of-the-art. The...

...compression technology is available from Fredericks and Shoe in Chicago, Illinois. The core of the **kiosk** station 10 is this digital compression technology, coupled with the storage and playback design. An...

... specific integrated circuit (ASIC) chip serves in the data compression and decoding component of the **kiosk** station 10. This ASIC firmware is integrated onto a custom-designed board which delivers 24...

... bus technology provides for a high resolution, high quality, user friendly subscriber interface at the **kiosk** station 10.

On an ongoing basis music CDs are identified for addition to the **kiosk** station 10 storage. Once the audio samples are identified, the samples are encoded at the...

... and stored. The compression technology permits high capacity storage on CD ROM discs in the **kiosk** body 50. Each **kiosk** station 10 can offer the subscriber the ability to preview selections from up to 25...

... will identify a specific subscriber with the selections and ratings which were processed and the **kiosk** station 10.

To excite the subscriber, and inspire him to pick up an album from the CD rack and preview it on the **kiosk** station, the retail store can also be provided with a library of CD ROM discs...

... widespread appeal. This CD ROM disc sampler will contain songs from albums found on the **kiosk** station. In that way, a subscriber can become interested in a cut heard over the the store display and approaches the **kiosk** station 10. The subscriber is provided with an access card,

similar to a credit ●d, which is used to activate t●●iosk station
10. The system inte●●ce is based on a touchscreen 2●●d activated by the
. . .

...on their access card which will immediately identify them when beginning
a session on the **kiosk** station 10. The subscriber identification can
be further interfaced with the music store cash register so that with each
music purchase following CD **preview**, the transaction will be
identified as a **kiosk**-related sale.

A program similar to an airline frequent flyer club can be generated. The
. . .

... subscriber profile information and specific preview activity. In order
to incentivize subscribers to use the **kiosk** station 10 regularly,
subscribers will earn bonus points for answering the rating questions after
previewing selections at the **kiosk** station 10. Earned bonus points
will also accumulate for **kiosk** -related purchases. Through a
combination of rating and purchase bonus points, subscribers will become
eligible...

...participants.

Subscribers may additionally be sent quarterly statements showing a list
of albums previewed and **kiosk** -related purchases. Listings of new
releases on the **kiosk** stations 10, as well as various promotions
sponsored by recording labels and music stores, can...
...motion MTV videos or record reviews.

The access card which is used to activate the **kiosk** station 10 can
be used to monitor all subscriber activities and to generate, for example
. . .

... 60 for analysis by the central processing unit 70. Each time a
subscriber activates the **kiosk** at the scanner 50 to begin a session,
a data file is created identifying the...

... can also be captured in the data file. The centralized database 60 can
poll each **kiosk** station 10 at all of the remote locations through a
telecommunications link. The information gathered...
What is claimed is:

1. A method for enabling a user to **preview** a pre-recorded
music product contained in a package, without directly accessing the
information on that specific packaged pre-recorded music product available
for sale by opening the packaging, using a **kiosk** having memory means
containing prestored, audio information relating to the pre-recorded music
product available...

...means, wherein said method comprises the steps of:
a) entering a subscriber code at the **kiosk** user-interactive data
storage processing and control means to authorize the user's access to, and
use of the **kiosk** interactive audio-video playback means;
b) identifying a pre-recorded music product to the **kiosk** for user
previewing by supplying a **music** product code from the specific
music product packaging to the **kiosk** user-interactive data storage
processing and control means; and,
c) previewing prestored preselected portions of the identified
pre-recorded music product by interaction of the user with the **kiosk**
audio/video playback means and with the user-interactive data storage
processing and control means...
...audibly preview prestored preselected portions of the music product,
wherein the user interacts with the **kiosk** to preview prestored
preselected portions of the pre-recorded music product without having to
open the packaging containing the specific pre-recorded **music**
product to be **previewed** by the user.

2. A method according to claim 1 wherein the kiosk has optical scanning means for reading bar code, and the subscriber code is entered at the **kiosk** by scanning a subscriber card marked with a bar code over the **kiosk** optical scanning means, the optical scanning means communicating with the user-interactive data storage processing...

... 3. A method according to claim 1 wherein the subscriber code is entered at the **kiosk** by use of the interactive audio/video playback means to enter the subscriber code, the...

...data storage processing and control means.

4. A method according to claim 1 wherein the **kiosk** has optical scanning means for reading bar codes and the user identifies the pre-recorded **music product** for **previewing** to the **kiosk** by presenting a pre-recorded music product bearing a bar code to the **kiosk** optical scanning means.

5. A method according to claim 1 wherein the user identifies the pre-recorded **music product** for **previewing** to the **kiosk** by interacting with the interacting audio/video playback means which displays to the user the pre-recorded **music products** available for **previewing** on the **kiosk**.

6. A method according to claim 1 further comprising the step of: selectively previewing preselected...

... for sale which is related to the first pre-recorded music product identified to the **kiosk** in step (b) by action of the **kiosk** user-interactive data storage processing and control means and **kiosk** memory means, and by interaction of the user with the interactive audio/video playback means...

... data concerning the user's opinion of the pre-recorded music product identified to the **kiosk**, the data input occurring by interaction of the user with the **kiosk** interactive audio/video playback means.

8. A method according to claim 1 wherein step (b...
...a).

9. A method according to claim 5 wherein the user identifies the pre-recorded **music product** for **previewing** by using a keyboard.

10. A method according to claim 5 wherein the user identifies an addition pre-recorded **music product** for **previewing** by using a touch screen.

11. In an apparatus for subscriber previewing of a pre-recorded music product on a **kiosk** having memory means containing prestored audio information relating to the pre-recorded music product available...to the user-interactive data storage processing and control means, identifying to the apparatus a **music product** to be **previewed**, and previewing prestored selections from the music product, a method for gathering subscriber pre-recorded **product preview** selection data for market research which comprises: a) during routine use of the **kiosk**, storing user subscriber code information and **kiosk**-user pre-recorded music product identification information in the user-interactive data storage processing and... ...pre-recorded music product identification information; and, d) gathering market research data by accessing the **kiosk** user-interactive data storage processing and control means to obtain pre-recorded music product identification...

... the subscription process is used in conjunction with the accessed

information to provide re-recorded **music product pre**v
selection data for market research.

4/3,K/18   (Item 1 from file: 766)
DIALOG(R)File 766:(R)Kalorama Info Market Res.
(c) 2000 Kalorama Info Inc. All rts. reserv.

00134352

DISTRIBUTION AND RETAIL: At the Retail Level: Software, PC, and Toy Store
            Chains: Major Outlets; Neostar; New Entrants; Video Stores

Main Title: Video Games and PC Entertainment Software - U.S. and European
            Markets 1996
 Pub. Date: July, 1996
    Source: Packaged Facts
 Telephone: US (800) 346-3787; Other (212) 807-2657
Word Count: 781 (2 pp.)
  Language: English

   Country: UNITED STATES, EUROPE
  Industry: ENTERTAINMENT AND LEISURE
Company Names (DIALOG Generated): Babbage ; Blockbuster ; Entertainment ;
            IBM ; Major Retail Outlets ; Neostar Retail Group ; New Leaf
            Entertainment ; Smith Barney ; Software Etc ; Video Game Market
            Impact Retail Companies ; Video Game Software

...obviously
much more focused on software products and personal service,
offering an environment in which **products** can be **previewed**
or demonstrated, often with elaborate floor displays and
other purchasing aids. Thus, they are far...

...Stores Try Hand at Video Game Software

     The addition of video game software to video **stores'**
rental **inventory** began in the fall of 1993 with Blockbuster
Video's test-marketing project. Sega became...

...America, and Acclaim tested
a new format for renting cartridges through the Game
Factory, a **kiosk** designed by Blockbuster and New Leaf
Entertainment (the latter a joint venture in which IBM...

 Pub. Year: **1996**

 4/3,K/19   (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0323426   BW622

MUSICSOURCE U.S.A.:   MUSICSOURCE U.S.A. announces initial installation of
     Instant Sheet Music **Kiosk** and new marketing agreements

March 9, 1993

Byline: Business Editors

MUSICSOURCE U.S.A. announces initial installation of Instant Sheet Music
    Kiosk and new marketing agreements

     ...NASDAQ:MUSE, MUSEU, MUSEW) Monday announced that it commenced
installation of its Instant Sheet Music **Kiosk** at 40 leading U.S.

musical instrument a⬤rint music store retail locati⬤⬤.
    Initial placemen⬤⬤.

...Electronic Order Catalogue services for a variety of special order
products. The top 100 sheet **music** titles, audio/video **preview**
 and
music network programming via the Network Monitor will all be provide
d
through the "Order Station **Kiosk**," that will be distributed by Skydoo
r
Records throughout the National Association of Record Merchants (NARM...

...noted, "After a short test period, we anticipate
continued placement of the Instant Sheet Music **Kiosks** among the top
120 music retailers. Further, we envision that those retailers who
received the initial installations will order multiple Instant Sheet
Music **Kiosks** for their other stores as they recognize the benefits of

the MUSICSOURCE(R) System in lower **inventory** requirements,
increased **store** traffic and higher sheet music and other music produc
t
sales. We also expect to sign...

...site printing of a broad list of
musical compositions and also acts as an interactive **terminal** for
advertising and catalog fulfillment.

    CONTACT: MUSICSOURCE U.S.A. Inc., Newport Beach
             Dale Jacobs...

    4/3,K/20   (Item 1 from file: 813)
    DIALOG(R)File 813:PR Newswire
    (c) 1999 PR Newswire Association Inc. All rts. reserv.

    1061124   DETU009
    Handleman Company Announces Plans to Bring Internet Music Purchasing to its
        Mass Merchant Customers Through Alliance with intouch group, inc.

    DATE: February 25, 1997   11:07 EST   WORD COUNT: 544

    ... will be installed that will allow the consumer to order titles not
    available in current **store inventory**. Peter Cline, President of
    Handleman   Entertainment   Resources,   commented,   "We   are   offering   our
    customers the opportunity...

    ... first to introduce branded Internet music shopping capabilities into
    retail locations using dedicated "web station" **terminals**. These
    terminals incorporate flat panel touchscreen technology, bar code
    scanning capabilities and magnetic card readers driven by...

    ...to reach $1.4 billion by 2000 (Jupiter Communications). The introduction
    of an Internet music **store** featuring a virtual **inventory** of
    over 50,000 albums will enable Handleman's mass merchant customers and the
    ultimate...
    ... created one of the largest music sample database in the world, with a
    capability of **previewing** nearly 300,000 **music** samples from over
    50,000 CDs.   Initial in-store sampling was available through **kiosks**
    called   "i-Stations."   A   demonstration   website   can   be   viewed   at
    www.worldmusic.com.

        Handleman Company...